



**TANGO**  
Device  
Server

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## User's Guide

### Proxy Class

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Revision: release\_1\_0\_8 - Author: julien\_malik  
Implemented in C++

#### Introduction:

#### Class Inheritance:

- Tango::Device\_3Impl
  - Proxy

#### Properties:

## Device Properties

| Property name             | Property type      | Description   |
|---------------------------|--------------------|---|
| <b>AttributeNameList</b>  | Array of string    |   |
| <b>CommandNameList</b>    | Array of string    |   |
| <b>DeviceProxy</b>        | Tango::DEV_STRING  |   |
| <b>UpdateProperties</b>   | Tango::DEV_BOOLEAN |   |
| <b>RefreshRateMs</b>      | Tango::DEV_LONG    |   |
| <b>DeviceProxyTimeout</b> | Tango::DEV_LONG    | the timeout on the DeviceProxy object (use it if underlying device is slow) |

### Device Properties Default Values:

| Property Name      | Default Values   |
|--------------------|------------------|
| AttributeNameList  | No default value |
| CommandNameList    | No default value |
| DeviceProxy        | No default value |
| UpdateProperties   | No default value |
| RefreshRateMs      | No default value |
| DeviceProxyTimeout | No default value |

**There is no Class properties.**

### Attributes:

| Spectrum Attributes         |            |               |        |
|-----------------------------|------------|---------------|--------|
| Attribute name              | Data Type  | X Data Length | Expert |
| <b>errorAttributeReport</b> | DEV_STRING | 1000000       | No     |
| <b>errorCommandReport</b>   | DEV_STRING | 1000000       | No     |

# Commands:

More Details on commands....

| Device Commands for Operator Level |             |                  |
|------------------------------------|-------------|------------------|
| Command name                       | Argument In | Argument Out     |
| Init                               | DEV_VOID    | DEV_VOID         |
| State                              | DEV_VOID    | DEV_STATE        |
| Status                             | DEV_VOID    | CONST_DEV_STRING |

## 1 - Init

- **Description:** This commands re-initialise a device keeping the same network connection. After an Init command executed on a device, it is not necessary for client to re-connect to the device. This command first calls the device *delete\_device()* method and then execute its *init\_device()* method. For C++ device server, all the memory allocated in the *nit\_device()* method must be freed in the *delete\_device()* method.  
The language device desctructor automatically calls the *delete\_device()* method.
- **Argin:**  
**DEV\_VOID** : none.
- **Argout:**  
**DEV\_VOID** : none.
- **Command allowed for:**

## 2 - State

- **Description:** This command gets the device state (stored in its *device\_state* data member) and returns it to the caller.
- **Argin:**  
**DEV\_VOID** : none.
- **Argout:**  
**DEV\_STATE** : State Code
- **Command allowed for:**

### 3 - Status

- **Description:** This command gets the device status (stored in its *device\_status* data member) and returns it to the caller.
- **Argin:**  
**DEV\_VOID** : none.
- **Argout:**  
**CONST\_DEV\_STRING** : Status description
- **Command allowed for:**

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| <b>UpdateProperties</b>   | Tango::DEV_BOOLEAN |   |
| <b>RefreshRateMs</b>      | Tango::DEV_LONG    |   |
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- **Argout:**  
**DEV\_STATE** : State Code
- **Command allowed for:**

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**DEV\_VOID** : none.
- **Argout:**  
**CONST\_DEV\_STRING** : Status description
- **Command allowed for:**

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[Link to Non-frame version.](#)



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# Device Commands Description

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